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GOLD FIELDS EXPLORATION PTY. LIMITED

LV. PRESS

PROJECT: TYNDALL

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: LS. 10

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA (p.p.m) Sample No.	From	To	Rec. %
27.2	128.2	1.00	100	Reddish-dark green gritty volcaniclastics. Strongly foliated (at approx. 30° CA), moderately altered, sericitic, quartz-lithic (hematitic) rich gritty tuffaceous material. The sericite is strongly developed throughout the matrix and the lithic fragments range up to 0.5cm accross. These clasts are elongate with the prevailing foliation and are also hematitic. Round quartz clasts up to 0.5 cm also occur. This unit has a gradational contact with both the unit above and the one below. It probably represents the upper section of the ignimbrite below, which has been disturbed and mixed with the rhyolitic lavas above.				
28.2	171.1	42.9	100	Dark green-grey welded ignimbrite. This unit is characterised by the (up to 0.5 cm across) rounded quartz phenocrysts (probably representing crystal fragments) and the dark black-green chloritic flattened fragments (probably originally pumice). The rock is weakly foliated with the pumice fragments being oriented at 30° CA. Overall the unit is very weakly altered with dark chlorite and sericite replacing the groundmass. Hematitic alteration is very weak, being restricted to small patches, veinlets and halos surrounding lithic fragments. These lithics occur irregularly throughout the core and are often up to 1 cm across. Large sections of the unit are lithic-free. Pyrite occurs in this unit, often intergrown with hematite veins and also as fine disseminations. The rock is unfractured to incipiently fractured and the quartz-albite metamorphic veins are rare and have lost their pink tinge. Minor patches of pale brown sericite are developed often in association with quartz. Also carbonate as small veins and infillings occurs, again often with quartz. The brown sericite becomes more common with depth and between 153.0 and 153.5, occurs as a thin coating on the cleavage joints of the foliation. Thin, green chlorite bands (up to 1.0 cm wide) cut the core below 156.0m. After approx. 160.0, the size and content of the quartz phenocrysts increases. The phenocrysts occur up to 1.0cm across and are far more agnular and irregularly distributed. The pyrite				